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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Christopher J. ZIOLKOWSKI
Maximillian J. KIEBA

Serial No.: 10/680,540

Filing Date: 07 October 2003

Title: LONG RANGE DATA TRANSMITTER FOR
HORIZONTAL DIRECTIONAL DRILLING

Group No.: 2856

Examiner:
Fitzgerald, John P.

AMENDMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed 12 January 2005, please amend
the subject patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on
page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

I hereby certify that this correspondence (along with any paper referred to as being attached or
enclosed) is being deposited with the United States Postal Service as First Class Mail in an
envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

07 April 2005

07 April 2005
Date

Mark E. Fitzgerald
Signature